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8 October 1968

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report, 23-25 September 1968

25X1A 1. The undersigned visited the David Clark Company on 23-24 September 1968 and the ARO Corporation on 25 September 1968. The primary purpose of these visits was to supervise the S-1010 PPA fittings and altitude chamber indoctrination of [REDACTED]. This effort was conducted without significant problems being encountered. Only minor fitting adjustments were required prior to the chamber run, and minor changes, which can be performed at field level, were discovered as a result of the chamber flight.

2. Discussions were held at the David Clark Co. on ECP's and Service Bulletins as they relate to S-1010 PPA changes and improvements. A service bulletin will be issued to provide the following:

- a. A quick disconnect fitting for the Urine Elimination System external valve hose.
- b. Thermal insulation pads at the vent inlet and selected vent outlets, and extensions to the arm vent channels.
- c. A personal leads keeper strap on the external PPA coverall and low flight torso harness.
- d. A velcro attachment patch on the left thigh exterior cover.
- e. Reinforcement material around the controller mounting flange to prevent undue wear of the bladder layer.
- f. A flap on the inner side of the chest zipper and reinforcement material on the flotation garment to prevent bladder damage by the chest zipper and parachute harness chest strap.

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3. Additional discussions were held at the David Clark Co. regarding the following investigative efforts:

- a. Structural "beef-up" of the present feeding port lever assembly.
- b. Improved plugs/receptacles for the intercommunications-faceheat electrical harness assembly.
- c. Improved material for outer cover of PPA and gloves in terms of wear.
- d. Teflon coating of helmet-side hold-down cable assembly for improved wear and ease of motion.
- e. Full size helmet sunshade.
- f. Improved helmet microphone mounting.
- g. Procedures for reducing lateral torque of helmet/suit neck ring disconnect assembly.

4. A thorough discussion of the U-2R LOX system and problems encountered during [redacted] was held at the ARO Corporation in preparation for meetings scheduled at Detachment G during the week of 30 September 1968.

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[redacted]
ASD/R&D/OSA

25X1A
ASD/R&D/OSA [redacted]

Distribution:

- Cy 1 - D/R&D/OSA
- 2 - D/SA (Thru TB/OSA)
- 3 - D/O/OSA
- 4 - IDEA/O/OSA
- 5 - SAS/O/OSA
- 6 - D/M/OSA
- 7 - CMD/COMPT/OSA
- 8 - ASD/R&D/OSA
- 9 - ASD/R&D Chrono
- 10 - RB/OSA